# CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory

JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/NMK/W.No.37/2020-21 Date: 18.08.2020

## TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work : Comprehesive development of Roads, drains and Footpath in Yeshwanthpura ward No.37 under PACKAGE-2019-20 RRN-DIV-(11), BBMP, Bangalore.

Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 $mm^2$
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : $M_{15}$
Compressive Strength as on : 28th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 21.07.2020 | 18.08.2020 | 8.032 | 365.9 | 16.26 |
| 2 | 21.07.2020 | 18.08.2020 | 8.169 | 385.2 | 17.12 |
| 3 | 21.07.2020 | 18.08.2020 | 8.002 | 375.2 | 16.68 |

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Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail: civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

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Grade of Concrete : $M_{15}$
Compressive Strength as on : 28th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 21.07.2020 | 18.08.2020 | 8.002 | 385.6 | 17.14 |
| 2 | 21.07.2020 | 18.08.2020 | 8.135 | 379.3 | 16.86 |
| 3 | 21.07.2020 | 18.08.2020 | 8.097 | 364.9 | 16.22 |

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Name of the work : Comprehesive development of Roads, drains and Footpath in Yeshwanthpura ward No.37 under PACKAGE-2019-20 RRN-DIV-(11), BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 $mm^2$

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : $M_{15}$

Compressive Strength as on : 28th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 21.07.2020 | 18.08.2020 | 8.012 | 380.2 | 16.90 |
| 2 | 21.07.2020 | 18.08.2020 | 8.185 | 373.6 | 16.60 |
| 3 | 21.07.2020 | 18.08.2020 | 8.003 | 359.2 | 15.96 |

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Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 $mm^2$
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : $M_{15}$
Compressive Strength as on : 28th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 21.07.2020 | 18.08.2020 | 8.025 | 369.3 | 16.41 |
| 2 | 21.07.2020 | 18.08.2020 | 8.165 | 384.5 | 17.09 |
| 3 | 21.07.2020 | 18.08.2020 | 8.071 | 373.2 | 16.59 |

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Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 $mm^2$
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : $M_{15}$
Compressive Strength as on : 28th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 21.07.2020 | 18.08.2020 | 8.203 | 359.6 | 15.98 |
| 2 | 21.07.2020 | 18.08.2020 | 8.136 | 367.9 | 16.35 |
| 3 | 21.07.2020 | 18.08.2020 | 8.086 | 380.1 | 16.89 |

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Cross Sectional Area : 22500 $mm^2$
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : $M_{15}$
Compressive Strength as on : 28th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 22.07.2020 | 19.08.2020 | 8.002 | 389.3 | 17.30 |
| 2 | 22.07.2020 | 19.08.2020 | 8.165 | 395.5 | 17.58 |
| 3 | 22.07.2020 | 19.08.2020 | 8.074 | 375.8 | 16.70 |

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Cross Sectional Area : 22500 $mm^2$
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : $M_{15}$
Compressive Strength as on : 28th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 22.07.2020 | 19.08.2020 | 8.003 | 367.6 | 16.34 |
| 2 | 22.07.2020 | 19.08.2020 | 8.135 | 389.6 | 17.32 |
| 3 | 22.07.2020 | 19.08.2020 | 8.074 | 380.1 | 16.89 |

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|---|---|---|---|---|---|
| 1 | 22.07.2020 | 19.08.2020 | 8.005 | 395.6 | 17.58 |
| 2 | 22.07.2020 | 19.08.2020 | 8.113 | 389.6 | 17.32 |
| 3 | 22.07.2020 | 19.08.2020 | 8.096 | 384.1 | 17.07 |

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| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 22.07.2020 | 19.08.2020 | 8.215 | 382.3 | 16.99 |
| 2 | 22.07.2020 | 19.08.2020 | 8.003 | 401.0 | 17.82 |
| 3 | 22.07.2020 | 19.08.2020 | 8.165 | 412.6 | 18.34 |

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|---|---|---|---|---|---|
| 1 | 22.07.2020 | 19.08.2020 | 8.003 | 395.6 | 17.58 |
| 2 | 22.07.2020 | 19.08.2020 | 8.198 | 373.6 | 16.60 |
| 3 | 22.07.2020 | 19.08.2020 | 8.005 | 385.1 | 17.12 |

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